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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
08/994,831	12/19/1997	ILEANA A. LEUCA	CASE13-8	7103
30083	7590	09/07/2005	EXAMINER	
PERKINS COIE LLP/AWS P.O. BOX 1247 SEATTLE, WA 98111-1247			JAGANNATHAN, MELANIE	
			ART UNIT	PAPER NUMBER
			2666	

DATE MAILED: 09/07/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

08/994,831

Applicant(s)

LEUCA ET AL.

Examiner

Melanie Jagannathan

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 23 June 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte. Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 2-5, 7, 8, 13-18, 20-25 and 27-31 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 2-5, 7, 8, 13-18, 20-25 and 27-31 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

- Examiner acknowledges receipt of Request for Continued Examination filed 6/23/2005.
- Claims 2-5, 7, 8, 13-18, 20-25, 27-31 are currently pending.

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

2. Claims 2-5, 7-8, 13-14, 22-25, 27-28 rejected under 35 U.S.C. 103(a) as being unpatentable over Csapo US 5,910,946 in view of Rydbeck et al. US 6,195,564.

Regarding claims 2, 22, 25, the claimed system for managing routing of information from source to destination through a plurality of networks, with at least one of the networks is a packet network is disclosed by routing of telephone calls with devices coupled to PSTN (Figure 3, element 32) and performing Internet calls with devices coupled to communication network

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(element 31). See column 3, lines 17-46. The claimed comprising routing processor for receiving a query signal from source via a wireless link is disclosed by mobile subscriber initiates call by dialing a destination number which is captured by internet base station (Figure 5, step 501). See column 4, lines 11-13. The claimed query specifies the destination to which information will be routed and processor is configured to identify a subscriber service associated with destination is disclosed by control unit of base station accesses home location register to request identification of called party number (step 502) and if information can be found in HLR, the called party is reachable via Internet connection (step 508). See column 4, lines 14-39. The claimed memory for storing one or more characteristics of destination is disclosed by base station utilizing a home location register to request identification of called party number.

The claimed processor determines route for transmission of information based on query signal, based on identified subscriber service associated with destination and based on characteristics in memory, wherein one of the one or more characteristics of destination includes information relating to equipment at destination and processor or network element other than source packetizes information sent over route is disclosed by base station retrieving information on called party number from HLR, determines internet based voice call as subscriber service is possible and base station transmits packetized compressed speech to called party's address (step 510). See column 4, lines 31-39.

The claimed plurality of networks provides at least two possible destinations, and wherein the memory stores information associated with at least one of two different types of equipment at destination is disclosed by routing of telephone calls with devices coupled to PSTN (Figure 3, element 32) and performing Internet calls with devices coupled to communication

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network (element 31). See column 3, lines 17-46. The control unit of base station accesses home location register to request identification of called party number (step 502) and if information can be found in HLR, the called party is reachable via Internet connection (step 508). See column 4, lines 14-39.

Csapo discloses all of the limitations of the claims except for remote unit located remote from plurality of networks and coupled via a wireless link with at least one of the plurality of networks, and wherein the remote unit is associated with a premises containing the source.

Rydbeck et al. disclose a laptop computer (Figure 2, element 100) communicating with wireless modem (element 300) via a wireless link (element 305), the wireless modem links to a base station (element 310) which connects to data network (element 370) via a PSTN (element 130). See column 3, lines 25-35. At the time the invention was made it would have been obvious to a person of ordinary skill in the art to modify Csapo with laptop computer, wireless modem and wireless link of Rydbeck et al. One of ordinary skill in the art would be motivated to do so to improve mobility of user so as to allow them to connect to a data network anytime, anywhere. See column 1, lines 8-17.

Regarding claims 3-4, 23-24, the claimed source subscribes to fixed wireless service network is disclosed by user can be mobile subscriber (Figure 3, element 30).

Regarding claim 5, the claimed destination subscribes to PSTN network is disclosed by possibility of mobile-to-land line equipment directed call. See column 4, lines 18-30, column 5, lines 33-37.

Regarding claims 7-8, 27-28, the claimed digitized voice and DTMF signal is disclosed by compression of speech from PCM to packet form. See 3, lines 47-67, column 4, lines 1-7.

Regarding claims 13-14, the claimed method for managing routing of information from source to destination through a plurality of networks, with at least one of the networks is a packet network and wherein each network is linked to at least one other network by a communication medium is disclosed by voice communication via interconnection of PSTN, Internet for telephones and mobile subscribers (Figure 3). The claimed query specifies the destination to which information will be routed and processor is configured to identify a subscriber service associated with destination is disclosed by control unit of base station accesses home location register to request identification of called party number (step 502) and if information can be found in HLR, the called party is reachable via Internet connection (step 508). See column 4, lines 14-39. The claimed memory for storing one or more characteristics of source and destination is disclosed by base station utilizing a home location register to request identification of called party number.

The claimed destination is one of at least two possible destinations, and wherein at least one of two different types of equipment are each associated with a possible destination is disclosed by routing of telephone calls with devices coupled to PSTN (Figure 3, element 32) and performing Internet calls with devices coupled to communication network (element 31). See column 3, lines 17-46. The control unit of base station accesses home location register to request identification of called party number (step 502) and if information can be found in HLR, the called party is reachable via Internet connection (step 508). See column 4, lines 14-39.

The claimed determining route for transmission of information based on query signal, based on identified subscriber service associated with destination and based on characteristics in memory, wherein one of the one or more characteristics of destination includes information

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relating to equipment at destination and processor or network element other than source packetizes information sent over route is disclosed by base station retrieving information on called party number from HLR, determines internet based voice call as subscriber service is possible and base station transmits packetized compressed speech to called party's address (step 510). See column 4, lines 31-39.

Csapo discloses all of the limitations of the claims except for remote unit located remote from plurality of networks and coupled via a wireless link with at least one of the plurality of networks, and wherein the remote unit is associated with a premises containing the source.

Rydbeck et al. disclose a laptop computer (Figure 2, element 100) communicating with wireless modem (element 300) via a wireless link (element 305), the wireless modem links to a base station (element 310) which connects to data network (element 370) via a PSTN (element 130). See column 3, lines 25-35. At the time the invention was made it would have been obvious to a person of ordinary skill in the art to modify Csapo with laptop computer, wireless modem and wireless link of Rydbeck et al. One of ordinary skill in the art would be motivated to do so to improve mobility of user so as to allow them to connect to a data network anytime, anywhere. See column 1, lines 8-17.

3. Claims 15-18, 20, 21, 29-31 are rejected under 35 U.S.C. 103(a) as being unpatentable over Csapo and Rydbeck in view of Maroulis et al. US 6,584,094.

Regarding claims 15, 17, 18, 29-31, the claimed method for managing routing of information from source to destination through a plurality of networks, with at least one of the networks is a packet network and wherein each network is linked to at least one other network by a communication medium is disclosed by voice communication via interconnection of PSTN,

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Internet for telephones and mobile subscribers (Figure 3). The claimed query specifies the destination to which information will be routed and processor is configured to identify a subscriber service associated with destination is disclosed by control unit of base station accesses home location register to request identification of called party number (step 502) and if information can be found in HLR, the called party is reachable via Internet connection (step 508). See column 4, lines 14-39. The claimed memory for storing one or more characteristics of source and destination is disclosed by base station utilizing a home location register to request identification of called party number.

The claimed destination is one of at least two possible destinations, and wherein at least one of two different types of equipment are each associated with a possible destination is disclosed by routing of telephone calls with devices coupled to PSTN (Figure 3, element 32) and performing Internet calls with devices coupled to communication network (element 31). See column 3, lines 17-46. The control unit of base station accesses home location register to request identification of called party number (step 502) and if information can be found in HLR, the called party is reachable via Internet connection (step 508). See column 4, lines 14-39.

The claimed determining route for transmission of information based on query signal, based on identified subscriber service associated with destination and based on characteristics in memory, wherein one of the one or more characteristics of destination includes information relating to equipment at destination and processor or network element other than source packetizes information sent over route is disclosed by base station retrieving information on called party number from HLR, determines internet based voice call as subscriber service is

possible and base station transmits packetized compressed speech to called party's address (step 510). See column 4, lines 31-39.

Csapo discloses all of the limitations of the claims except for remote unit located remote from plurality of networks and coupled via a wireless link with at least one of the plurality of networks, and wherein the remote unit is associated with a premises containing the source.

Rydbeck et al. disclose a laptop computer (Figure 2, element 100) communicating with wireless modem (element 300) via a wireless link (element 305), the wireless modem links to a base station (element 310) which connects to data network (element 370) via a PSTN (element 130). See column 3, lines 25-35. At the time the invention was made it would have been obvious to a person of ordinary skill in the art to modify Csapo with laptop computer, wireless modem and wireless link of Rydbeck et al. One of ordinary skill in the art would be motivated to do so to improve mobility of user so as to allow them to connect to a data network anytime, anywhere. See column 1, lines 8-17.

Additionally, Csapo discloses the claimed equipment at destination comprising computer or modem by modems (Figure 1, elements 12) and computers (elements 11). However, Csapo and Rydbeck do not disclose at least three different types of equipment associated with a possible destination and one of the equipment being a facsimile device as in claim 16. Maroulis et al. discloses telephonic communications over Internet where endpoints could be facsimile devices. See column 12, lines 54-67, column 2, lines 45-67. At the time the invention was made it would have been obvious to a person of ordinary skill in the art to have destination be a fax. One of ordinary skill in the art would be motivated to do this in order to have the ease of sending faxes to a destination.

Regarding claim 20, the claimed destination subscribes to a service associated with a wired information transfer network and the equipment at destination is configured to accept information from a source via the wired information transfer network alone, transmission path does not comprise a packet network in addition to wired information transfer network is disclosed by determination whether called party is reachable by internet connection and if not i.e. a mobile to landline call, then call request goes to local exchange via an ISDN connection provided by local exchange carrier. See column 4, lines 14-36 and Figure 3 with connection through PSTN.

Response to Argument

4. Applicant's arguments filed 6/23/2003 have been considered but are moot in view of the new ground(s) of rejection. Examiner appreciates Applicant's detailed description of the prior art.

Applicant argues Csapo does not disclose characteristics stored in memory, wherein one or more of the characteristics of destination includes information indicating a type of equipment at destination. Examiner respectfully disagrees and contends Csapo discloses HLR is used to request identification of called party and if information is not found in HLR, this identifies the equipment at destination being as landline equipment and not a mobile phone.

Applicant argues Csapo does not disclose amended limitation of claims 2, 13, 15, 22, 29 regarding plurality of networks provides at least two possible destinations and wherein the memory stores information associated with at least one of two different types of equipment at destination. Examiner respectfully disagrees and contends Csapo discloses Internet and PSTN

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and two destinations in landline phone and mobile phone. The HLR stores information regarding the mobile phone.


Applicant argues Csapo is silent regarding the amended limitation reciting element of a remote unit located remote from the plurality of networks. Examiner agrees and submits reference Rydbeck.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Melanie Jagannathan whose telephone number is 571-272-3163. The examiner can normally be reached on Monday-Friday from 8:00 a.m.-4:30 p.m..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Seema Rao can be reached on 571-272-3174. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

MJ 
9/2/2005


FRANK DUONG
PRIMARY EXAMINER